

[File 2] **INSPEC** 1898-2007/May W2

(c) 2007 Institution of Electrical Engineers. All rights reserved.

[File 5] **Biosis Previews(R)** 1926-2007/May W2

(c) 2007 The Thomson Corporation. All rights reserved.

**File 5: BIOSIS has been enhanced with archival data. Please see HELP NEWS 5 for information.*

[File 6] **NTIS** 1964-2007/May W3

(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.

[File 8] **Ei Compendex(R)** 1884-2007/May W2

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/May W3

(c) 2007 The Thomson Corp. All rights reserved.

[File 35] **Dissertation Abs Online** 1861-2007/Apr

(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 65] **Inside Conferences** 1993-2007/May 22

(c) 2007 BLDSC all rts. reserv. All rights reserved.

[File 71] **ELSEVIER BIOBASE** 1994-2007/May W3

(c) 2007 Elsevier B.V. All rights reserved.

[File 73] **EMBASE** 1974-2007/May 15

(c) 2007 Elsevier B.V. All rights reserved.

[File 95] **TEME-Technology & Management** 1989-2007/May W3

(c) 2007 FIZ TECHNIK. All rights reserved.

[File 98] **General Sci Abs** 1984-2007/May

(c) 2007 The HW Wilson Co. All rights reserved.

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Apr

(c) 2007 The HW Wilson Co. All rights reserved.

[File 136] **BioEngineering Abstracts** 1966-2007/Jan

(c) 2007 CSA. All rights reserved.

[File 143] **Biol. & Agric. Index** 1983-2007/Apr

(c) 2007 The HW Wilson Co. All rights reserved.

[File 144] **Pascal** 1973-2007/May W2

(c) 2007 INIST/CNRS. All rights reserved.

[File 155] **MEDLINE(R)** 1950-2007/May 18

(c) format only 2007 Dialog. All rights reserved.

**File 155: Medline has been reloaded. Please see HELP NEWS 154 for information on 2007 changes.*

[File 172] **EMBASE Alert** 2007/May 15

(c) 2007 Elsevier B.V. All rights reserved.

[File 188] **Health Devices Sourcebook** 2004

ECRI (A nonprofit agency). All rights reserved.

[File 198] **Health Devices Alerts(R)** 1977-2007/Apr W2

(c) 2007 ECRI-nonprft agency. All rights reserved.

[File 239] **Mathsci** 1940-2007/Jun

(c) 2007 American Mathematical Society. All rights reserved.

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 583] Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group. All rights reserved.
*File 583: This file is no longer updating as of 12-13-2002.

[File 603] Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning. All rights reserved.
*File 603: This is a closed file.

[File 483] Newspaper Abs Daily 1986-2007/May 22
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 248] PIRA 1975-2007/Apr W4
(c) 2007 Pira International. All rights reserved.

Set	Items	Description
S1	6998551	S IMAGE?? OR IMAGING OR X()RAY OR CT()SCAN? OR MEDICAL()IMAG? OR GRAPHIC
S2	81628	S (POINT?? OR COORDINATE?? OR ORDINATE?? OR MARK??? OR LAND()MARK?) (3N)S1
S3	737	S (REFERENCE?? OR SUPINE OR PRONE) (3N)S2
S4	0	S (1()D OR (ONE OR 1 OR SINGLE) (1N)DIMENSION?) (3N) (PLOT? OR PROFILE?? OR MAP? OR GRAPH? OR CURVE??) (3N)S3
S5	0	S (CORRELATION OR RELAT? OR CORRESPOND? OR COMPARE?? OR COMPARING OR COMPARISON?? OR MATCH??? OR RELATIONSHIP OR ASSOCIAT??? OR CORRELAT???) (10N)S4
S6	313	S AU=(SIROHEY, S? OR SIROHEY S? OR AVINASH, G? OR AVINASH G? OR KNOPLIOCH, J? OR KNOPLIOCH J? OR LAUNAY, L? OR LAUNAY L? OR CAPOLUNGI, R? OR CAPOLUNGI R?)
S7	0	S (1()D OR (ONE OR 1 OR SINGLE) (1N)DIMENSION?) (3N) (PLOT? OR PROFILE?? OR MAP? OR GRAPH? OR CURVE??) (20N)S3
S8	0	S ((1()D OR (ONE OR 1 OR SINGLE) (3N)DIMENSION?) (3N) (PLOT? OR PROFILE?? OR MAP? OR GRAPH? OR CURVE??) (20N)S3
S9	90	S (CORRELATION OR RELAT? OR CORRESPOND? OR COMPARE?? OR COMPARING OR COMPARISON?? OR MATCH??? OR RELATIONSHIP OR ASSOCIAT??? OR CORRELAT???) (3N)S3
S10	58	RD (unique items)
S11	0	10
S12	0	1
S13	0	D
S14	0	1(W)D
S15	0	ONE
S16	0	DIMENSIONAL
S17	0	ONE(W)DIMENSIONAL
S18	0	GRAPH
S19	0	PLOT
S20	0	S S10 AND S6
S21	0	S S10 AND ((PRONE OR SUPINE) (3N)PLOT?)
S22	1	S ((PRONE OR SUPINE) (3N)PLOT?) (3N)MAP?
S23	0	S S22 NOT FLOOD
S24	21	S S9 AND (CORRELAT? OR LANDMARK?)
S25	11	RD (unique items)
S26	2	S S25 AND MAP?

25/3,K/1 (Item 1 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)
INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.
09716613

Title: A consistent decision algorithm for N frames continuous scene matching
Author Wang Yong-Ming

Author Affiliation: Beijing Inf. High Technol. Inst., China
Journal: Chinese Journal of Computers vol.28, no.6 p. 1032-5
Publisher: Science Press ,
Publication Date: June 2005 **Country of Publication:** China
CODEN: JIXUDT **ISSN:** 0254-4164
SICI: 0254-4164(200506)28:6L:1032:CDAF;1-7
Material Identity Number: B714-2005-009

Language: Chinese

Subfile: B C

Copyright 2006, IEE

Abstract: ...matching is a crucial technique for many cruise aircrafts to correct their navigation errors. By **correlation** matching between loaded reference image and real-time image in the same area, the navigation... ..and precise positioning is implemented accordingly. Since the difference in acquisition sensor and time for **reference** and real-time **image**, the true **matched points** are sometimes not on the primary peaks but on the secondary peaks of **correlation** matrix, which resulted in the matching was to fail. In this paper, a consistent decision... ..algorithm is to make use of the information of the primary and secondary peaks of **correlation** matrix and the displacement of inertial guidance to delete false matched points. Since the information...

Identifiers: ...**correlation** matching... ..**correlation** matrix

25/3,K/2 (Item 2 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

09692649

Title: Reconstruction of rotary DSA vessel axis based on the matching of multiple projections

Author Wei Hong; Xuanqin Mou; Shaojie Tang; Long, Y.; Cai, Y.

Author Affiliation: Sch. of Electron. & Inf. Eng., Xi'an Jiaotong Univ., China

Journal: Proceedings of the SPIE - The International Society for Optical Engineering **Conference Title:** Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.5747, no.1 p. 1422-9

Publisher: SPIE-Int. Soc. Opt. Eng. ,

Publication Date: 2005 **Country of Publication:** USA

CODEN: PSISDG **ISSN:** 0277-786X

SICI: 0277-786X(2005)5747:1L:1422:RRVA;1-E

Material Identity Number: C574-2005-214

U.S. Copyright Clearance Center Code: 0277-786X/2005/\$15.00

Conference Title: Medical Imaging 2005: Image Processing

Conference Date: 17 Feb. 2005 **Conference Location:** San Diego, CA, USA

Language: English

Subfile: A B C

Copyright 2006, IEE

Abstract: ...the redundant information from multiple two-dimensional (2-D) projections of the object. First, a **correlation** scheme on pixels gray level is used to extract the vessel structure on every projection... ..image. Thirdly, an arbitrary projection is chosen as base image, and others are chosen as **reference images**. For each key point in the base **image**, the **matching points** are found from the key points of the reference images according to epipolar geometry and...

Identifiers: ...**correlation** scheme

25/3,K/3 (Item 3 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

08682242 **INSPEC Abstract Number:** A2003-16-4230-041, B2003-08-6135-173

Title: Automatic satellite image registration by combination of matching and random sample consensus

Author Taejung Kim; Yong-Jo Im

Author Affiliation: Adv. Inst. of Sci. & Technol., Satellite Technol. Res. Center, Taejon, South Korea

Journal: IEEE Transactions on Geoscience and Remote Sensing vol.41, no.5, pt.2 p. 1111-17

Publisher: IEEE ,

Publication Date: May 2003 **Country of Publication:** USA

CODEN: IGRSD2 **ISSN:** 0196-2892

SICI: 0196-2892(200305)41:5:2L:1111:ASIR;1-T

Material Identity Number: I341-2003-009

U.S. Copyright Clearance Center Code: 0196-2892/03/\$17.00

Language: English

Subfile: A B

Copyright 2003, IEE

Abstract: We propose a new algorithm for automated registration of satellite images. Registration means finding the **relation** between **image coordinates** and a **reference** coordinate system. The algorithm consists of two steps. The first one is the automated generation of control points. An automated matching based on normalized cross **correlation** is used. We have improved the accuracy of matching by determining the size and shape...

25/3,K/4 (Item 4 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

08615570 **INSPEC Abstract Number:** B2003-06-6135C-131, C2003-06-1260S-025

Title: An image-adaptive digital watermarking algorithm based on wavelet transform

Author Liu Tong; Qiu Zheng-Ding

Author Affiliation: Inst. of Inf. Sci., Northern Jiaotong Univ., Beijing, China

Journal: Chinese Journal of Computers vol.25, no.11 p. 1195-9

Publisher: Science Press,

Publication Date: Nov. 2002 **Country of Publication:** China

CODEN: JIXUDT **ISSN:** 0254-4164

SICI: 0254-4164(200211)25:11L;1-7

Material Identity Number: B714-2003-002

Language: Chinese

Subfile: B C

Copyright 2003, IEE

Abstract: ...alarm and missed detection rate, and the embedded watermark can be blindly detected using the **correlation** value between the **marked image** and **reference** watermark sequence. Simulation results show that the proposed method can achieve a better compromise between...

Identifiers: ...correlation value

25/3,K/5 (Item 5 from file: 2) [Links](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

08591140 **INSPEC Abstract Number:** B2003-05-6135-211, C2003-05-5260B-299

Title: A new approach for 3D surface reconstruction in urban environment from multiple aerial images

Author Saoud, H.; Belhadj, Z.; Boussema, M.-R.; Roux, M.

Author Affiliation: Ecole Nationale d'Ingenieurs de Tunis, LTSIRS, Tunis, Tunisia

Conference Title: Proceedings of Second IASTED International Conference Visualization, Imaging, and Image Processing p. 568-72

Editor(s): Villanueva, J.J.

Publisher: ACTA Press, Anaheim, CA, USA

Publication Date: 2002 **Country of Publication:** USA vi+832 pp.

ISBN: 0 88986 354 3 **Material Identity Number:** XX-2002-02291

Conference Title: VIIP 2002; 2nd IASTED International Conference on Visualization, Imaging and Image Processing

Conference Sponsor: IASTED

Conference Date: 9-12 Sept. 2002 **Conference Location:** Malaga, Spain

Language: English

Subfile: B C

Copyright 2003, IEE

Abstract: ...images are rectified in epipolar geometry. Our approach of reconstruction is based on fusion of **correlation** curves calculated from different image pairs. Those curves given traditionally according to disparity are projected in 3D space. Then, 3 criteria of fusion have been tested to calculate for each **point** of the **reference image** the **corresponding** elevation.

Identifiers: ...correlation curves

25/3,K/6 (Item 6 from file: 2) [Links](#)

INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

08374947 **INSPEC Abstract Number:** B2002-10-7230G-034, C2002-10-3390C-125

Title: Natural landmark based localisation system using panoramic images

Author Yuen, D.C.K.; MacDonald, B.A.

Author Affiliation: Dept. of Electr. & Electron. Eng., Auckland Univ., New Zealand

Conference Title: Proceedings 2002 IEEE International Conference on Robotics and Automation (Cat. No.02CH37292) **Part**
vol.1 p. 915-20 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2002 **Country of Publication:** USA 4 vol.lxxiv+4353 pp.

ISBN: 0 7803 7272 7 **Material Identity Number:** XX-2002-01942

U.S. Copyright Clearance Center Code: 0-7803-7272-7/02/\$17.00

Conference Title: Proceedings 2002 IEEE International Conference on Robotics and Automation

Conference Sponsor: IEEE Robotics & Autom. Soc

Conference Date: 11-15 May 2002 **Conference Location:** Washington, DC, USA

Language: English

Subfile: B C

Copyright 2002, IEE

Title: Natural landmark based localisation system using panoramic images

Abstract: ...robot and tested in a heavily cluttered environment. It takes vertical object edges as natural landmarks and extracts a one-dimensional token sequence from the input image before matching with reference image sequences.

Matched points are then triangulated to give a set of position estimates, and the best result is...

Identifiers: natural landmark based localisation system...

25/3,K/7 (Item 7 from file: 2) [Links](#)

Fulltext available through: [SPIE - The International Society of Optical Engineering](#) [USPTO Full Text Retrieval Options](#)
INSPEC

(c) 2007 Institution of Electrical Engineers. All rights reserved.

06858020 **INSPEC Abstract Number:** B9804-7950-039

Title: Tracking targets in FLIR images by region template correlation

Author Parry, H.S.; Marshall, A.D.; Markham, K.C.

Author Affiliation: Dept. of Flight Dynamics, BAe. Dynamics Ltd., Bristol, UK

Journal: Proceedings of the SPIE - The International Society for Optical Engineering **Conference Title:** Proc. SPIE - Int. Soc.
Opt. Eng. (USA) vol.3086 p. 221-32

Publisher: SPIE-Int. Soc. Opt. Eng.

Publication Date: 1997 **Country of Publication:** USA

CODEN: PSISDG **ISSN:** 0277-786X

SICI: 0277-786X(1997)3086L:221:TTFI;1-T

Material Identity Number: C574-97192

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00

Conference Title: Acquisition, Tracking, and Pointing XI

Conference Sponsor: SPIE

Conference Date: 23-24 April 1997 **Conference Location:** Orlando, FL, USA

Language: English

Subfile: B

Copyright 1998, IEE

Title: Tracking targets in FLIR images by region template correlation

Abstract: ...inside a missile moving directly towards the target. Many conventional image based trackers trace key reference points over an image sequence using simple correlation processes. However, the presence of noise and the magnification of image features as the camera ... FLIR missile guiding systems, is that regions become divided and therefore there may be little correlation between regions in one frame and the next. This paper introduces a new method that... target may be located in a future frame by employing a novel method of performing correlation of the template with a segmented image. For the current design, the target template is... detected. This new technique produces significant reductions in drift rate compared to a conventional point correlation tracker. Results acquired for real FLIR images obtained from an aircraft are presented.

Descriptors: correlation methods...

Identifiers: ...region template correlation; ... point correlation tracker

25/3,K/8 (Item 1 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

(c) 2007 The Thomson Corporation. All rights reserved.

17500636 **Biosis No.:** 200300469355

A new point-based warping method for enhanced and simplified analysis of functional brain image data.

Author: Pielot Rainer (Reprint); Scholz Michael; Obermayer Klaus; Scheich Henning; Gundelfinger Eckart D; Hess Andreas

Author Address: Leibniz Institute for Neurobiology, Brennekestrasse 6, D-39118, Magdeburg, Germany**Germany

Author E-mail Address: pielot@ifn-magdeburg.de
Journal: NeuroImage 19 (4): p 1716-1729 August 2003 2003
Medium: print
ISSN: 1053-8119_(ISSN print)
Document Type: Article
Record Type: Abstract
Language: English

Abstract: ...to optimize matching of data sets, can exploit either local gray value distribution or identifiable **reference points** within the **images** to be **compared**. Gray value-based warping, which is more comfortable, cannot be used if gray values include... ..warping methods is the lack of methods for efficient and precise definition of reference points (**landmarks**) within comparable data sets. Here, we present a novel approach to automatically detect sufficient numbers of **landmarks**, which is based on 3D differential operators. In addition, we have developed a new distance... ..gerbil brains after acoustic stimulation. The new warping method was compared with known methods of **landmark**-based warping, i.e., warping with radial basis functions and with distance-weighted methods. For... ..presented in this study our new optimized warping method produced an increase in linear cross **correlation** of 4.44%, an increase in volume overlap index of 1.55%, and a decrease...

25/3,K/9 (Item 1 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

(c) 2007 NTIS, Intl Cpyrght All Rights Res. All rights reserved.1806835 NTIS Accession Number: N94-27364/6

Parallel Algorithm for Dominant Points Correspondences in Robot Binocular Stereo Vision

Al-tammami, A. ; Singh, B.

Bradford Univ. (England).

Corporate Source Codes: 058195000; BV290280

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Dec 93 11p

Language: English

Journal Announcement: GRAI9415; STAR3207

In NASA. Lewis Research Center, Vision 21: Interdisciplinary Science and Engineering in the Era of Cyberspace p 71-81.

NTIS Prices: (Order as N94-27358/8, PC A12/MF A03)

...dominant point in the right image lies in the search areas, then it is the **corresponding** point of the **reference** dominant point in the left image. A parameter provided by the GAV is thresholded and used as a rough similarity measure... ..corresponding dominant point if there is more than one point in the search area. The **correlation** is used as a final decision tool when there is still more than one point... ..in the search area or if the points in the search area are below a **correlation** threshold, then the dominant point in the reference image is occluded and can not be...

25/3,K/10 (Item 1 from file: 8) [Links](#)

Fulltext available through: [ScienceDirect](#)

Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

10575538 E.I. No: EIP05349316477

Title: Reconstruction of rotary DSA vessel axis based on the matching of multiple projections

Author: Hong, Wei; Mou, Xuanqin; Tang, Shaojie; Long, Ying; Cai, Yuanlong

Corporate Source: School of Electronics and Information Engineering Xi'an Jiaotong University, Xi'an, Shaanxi, 710049, China

Conference Title: Medical Imaging 2005 - Image Processing

Conference Location: San Diego, CA, United States **Conference Date:** 20050213-20050217

E.I. Conference No.: 65433

Source: Progress in Biomedical Optics and Imaging - Proceedings of SPIE Medical Imaging 2005 - Image Processing v 5747 n II 2005.

Publication Year: 2005

ISSN: 1605-7422

Language: English

Abstract: ...the redundant information from multiple two-dimensional (2-D) projections of the object. First, a **correlation** scheme on pixels gray level is used to extract the vessel structure on every projection... ..image. Thirdly, an arbitrary projection is chosen as base image, and others are chosen as **reference images**. For each key point in the base image, the **matching points** are found from the key points of the reference images according to epipolar geometry and...

Descriptors: *Angiography; Image reconstruction; Image analysis; Optical **correlation**; Biological organs; Interpolation;

Algorithms; Computational geometry; Graph theory

25/3,K/11 (Item 2 from file: 8) [Links](#)

Fulltext available through: [ScienceDirect](#)

Ei Compendex(R)

(c) 2007 Elsevier Eng. Info. Inc. All rights reserved.

09467945 E.I. No: EIP03317569984

Title: Automatic satellite image registration by combination of matching and random sample consensus

Author: Kim, Taejung; Im, Yong-Jo

Corporate Source: Satellite Technology Research Center Korea Adv. Inst. Sci. and Technol., 305-701 Taejon, South Korea

Source: IEEE Transactions on Geoscience and Remote Sensing v 41 n 5 May 2003. p 1111-1117

Publication Year: 2003

CODEN: IGRSD2 **ISSN:** 0196-2892

Language: English

Abstract: ...propose a new algorithm for automated registration of satellite images. Here, registration means finding the **relation** between **image coordinates** and a **reference** coordinate system. The algorithm consists of two steps. The first one is the automated generation of control points. An automated matching based on normalized cross **correlation** will be used. We have improved the accuracy of matching by determining the size and...

EAST Search History

S27	5997	382/128,131,154,168,294.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:22
S28	29	S26 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:32
S29	131	S26 and colon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:32
S30	110	S29 not S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:32